

**SPLIT-CAN DIPOLE ANTENNA FOR AN  
IMPLANTABLE MEDICAL DEVICE**

5

**Abstract**

An apparatus and method for enabling far-field radio-frequency communications with an implantable medical device utilizing the device housing as an antenna. Such radio-frequency communications can take place over much greater distances than with inductively coupled antennas.

"Express Mail" mailing label number: EV299684666US  
Date of Deposit: December 12, 2003  
This paper or fee is being deposited on the date indicated above with the  
United States Postal Service pursuant to 37 CFR 1.10, and is addressed to The  
Commissioner for Patents, Mail Stop Patent Application,  
P.O. Box 1450, Alexandria, VA 22313-1450.